

Europe Pedicle Screws Market Forecast to 2030 – Regional Analysis – by Product Type (Polyaxial Pedicle Screw Systems, Monoaxial Pedicle Screw Systems, and Other Pedicle Screw Systems), Application (Thoracolumbar Fracture, Spinal Tumor, Scoliosis, Failed Spine Fusion, and Spondylitis), Surgery Type (Open Surgery and Minimally Invasive Surgery), and End User (Hospitals, Ambulatory Surgical Centers, and Other End User)

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Abstracts

The Europe pedicle screws market was valued at US\$ 249.81 million in 2022 and is expected to reach US\$ 383.33 million by 2030; it is estimated to grow at a CAGR of 5.5% from 2022 to 2030 .

Rising Number of Spinal Surgeries Using Pedicle Screw Systems fuel the Europe Pedicle Screws Market

The pedicle screw system plays an important role in increasing strength and providing support to damage the spinal cord. The escalating number of medical professionals specializing in spinal surgeries is expected to drive the market growth of pedicle screws. For instance, according to the data published in Health Trust-The Source Magazine in 2022, approximately 1.2 million surgeries are performed with an average cost of US\$ 80,000 for lumbar spinal fusion surgery.

Furthermore, the pedicle screw system has significantly developed with the rising number of spinal surgeries. Incorporating a navigation system while placing the pedicle

screw system is a major development in the pedicle screw system market space. Moreover, robotics is used for pedicle screw placement to augment accuracy and minimize surgical invasiveness. Although robotics in elderly patients has not been studied at a higher scale, this population may benefit significantly from using robotics as a minimally invasive technique to decrease operative time, minimize blood loss, and reduce postoperative pain, ultimately decreasing complications in the near future.

Additionally, the rising adoption of pedicle screw systems in treating degenerative spinal disorders is another driving factor for the market growth. A steep rise in sports-related and spinal cord injury (SCI) injuries and accidental fractures results in surgical procedures, which further results in the usage of pedicle screws. Thus, the rising prevalence of spinal cord injury is projected to boost the demand for the pedicle screw market, thereby propelling the overall market growth.

Europe Pedicle Screws Market Overview

The growth of the pedicle screw market in Europe is attributed to the presence of major companies such as Medtronic plc. and increasing aging populations exposed to various spine disorders. Spine-related disabilities and trauma are common in the elderly population mainly because of naturally occurring, age-related degenerative changes in an aging body. Osteoporotic vertebral body fractures have a high impact on the aging population in European countries due to the rising prevalence of symptomatic vertebral fractures caused by a change in vertebral shape. Government authorities in countries in the European Union (EU) are involved in improving the health outcomes of Europeans. For instance, in the past 30 years, the introduction of Advanced Trauma Life Support, the National Institute for Health and Care Excellence (NICE), and protocol-driven therapy have synergistically led to improved health outcomes and reduced mortality in the UK. Similarly, the presence of regulatory authority in Europe to improve overall spine care in Europe is another factor boosting the growth of the pedicle screw market in Europe.

Europe Pedicle Screws Market Revenue and Forecast to 2030 (US\$ Million)

Europe Pedicle Screws Market Segmentation

The Europe pedicle screws market is segmented based on product type, application, end user, surgery type, and country.

Based on product type, the Europe pedicle screws market is segmented into polyaxial

pedicle screw systems, monoaxial pedicle screw systems, and other pedicle screw systems. The polyaxial pedicle screw systems segment held the largest market share in 2022.

Based on application, the Europe pedicle screws market is segmented into thoracolumbar fracture, spinal tumor, scoliosis, failed fusion, and spondylitis. The thoracolumbar fracture segment held the largest market share in 2022.

Based on surgery type, the Europe pedicle screws market is bifurcated into open surgery and minimally invasive surgery. The open surgery segment held a larger market share in 2022.

Based on end user, the Europe pedicle screws market is segmented into hospitals, ambulatory surgical centers, and other end users. The hospitals segment held the largest market share in 2022.

Based on country, the Europe pedicle screws market is segmented into the UK, Germany, France, Italy, Spain, and the Rest of Europe. Germany dominated the Europe pedicle screws market share in 2022.

Zimmer Biomet; Globus Medical Inc.; B. Braun SE; Stryker Corp; Medtronic PLC; Surgalign Holdings, Inc.; NuVasive Inc; and Orthofix Medical Inc. are some of the leading players operating in the Europe pedicle screws market.

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